# Refine Search

### Search Results -

Terms	Documents
(two) adj5 population adj5 liposome	10

US Patents Full-Text Database
US OCR Full-Text Database

Database:

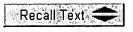
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:

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Refine Search



US Pre-Grant Publication Full-Text Database



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## **Search History**

DATE: Friday, November 16, 2007

**Purge Queries** 

Printable Copy

Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGP	B, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR = Y	ES; $OP = OR$	
<u>L3</u>	(two) adj5 population adj5 liposome	10	<u>L3</u>
<u>L2</u>	(agent or drug) adj5 separate\$ adj5 liposome	33	<u>L2</u>
<u>L1</u>	combine\$ adj5 two adj5 liposome	2	<u>L1</u>

END OF SEARCH HISTORY

First Hit Fwd Refs

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Generate Collection Print

L2: Entry 27 of 33

File: USPT

Oct 10, 1989

DOCUMENT-IDENTIFIER: US 4873088 A

TITLE: Liposome drug delivery method and composition

#### Detailed Description Text (51):

The findings presented in this application indicate a further advantage of liposomal delivery of ADM, namely that the toxicity effects of ADM can be further reduced significantly (up to 60% or more) by coentrapment of a drug-protective compound, such as alpha-tocopheral, in the liposomes. In addition, either through reduced toxicity, or because of direct long-term drug effects, liposomes containing coentrapped ADM and drug-protective agent provide greater survival in animals injected with cancer cells, than when the two drug agents are administered in separated liposome populations.

#### Detailed Description Text (71):

At least under certain therapeutic conditions, then, supplying the drug and drug-protective compound in the same liposome population produced therapeutic results which are superior to those obtained by administering the <u>drug and drug-protective</u> compound in separate liposome populations. The results indicate that release of ADM and a drug-protective compound, e.g., alpha tocopherol, in the same localized liposome-target region is improves the therapeutic result over that obtainable with a mixed population of liposomes.

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**End of Result Set** 

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L2: Entry 33 of 33

File: DWPI

Feb 14, 1985

DERWENT-ACC-NO: 1985-050020

DERWENT-WEEK: 198508

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TITLE: Antimicrobial agents co-encapsulated in lipid vesicles - with synergistic antimicrobial effect

#### Basic Abstract Text (3):

USE/ADVANTAGE - The prepn. shows enhanced antimicrobial activity for the treatment of specific infections in vivo. There is a synergistic effect between the <u>agents</u> compared with their use in a soln. or in <u>separate liposome</u> prepns. Specific combinations of antimicrobial agents are encapsulated in the liposome prepn. Then tests are made against bacteria and fungi to assess the antimicrobial activity. The combinations may have antibacterial, antifungal and antiviral activities.

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Record List Display Page 1 of 3

### **Hit List**

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 31 through 33 of 33 returned.

☐ 31. Document ID: US 5576017 A

L2: Entry 31 of 33

File: DWPI

Nov 19, 1996

DERWENT-ACC-NO: 1997-011212

DERWENT-WEEK: 199701

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Hetero-vesicular liposome(s) - comprising leuprolide and at least one other

substance, each encapsulated in separate chambers of the liposome

INVENTOR: KIM, S

PRIORITY-DATA: 1995US-0393724 (February 23, 1995), 1988US-0196590 (May 30, 1988),

1990US-0496846 (March 21, 1990), 1993US-0078701 (June 16, 1993)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC

<u>US 5576017 A</u> November 19, 1996 009 A61K009/127

INT-CL (IPC): A61K 9/127

Full Title Citation Front Review Classification Date Reference Fig. 2015 Claims KWC Draw Do

32. Document ID: DE 69528077 E, WO 9615774 A1, AU 9642462 A, EP 792143 A1, JP 10509459 W, EP 792143 B1

L2: Entry 32 of 33

File: DWPI

Oct 10, 2002

DERWENT-ACC-NO: 1996-268316

DERWENT-WEEK: 200274

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Method of making liposome(s) contg. hydrophobic drugs - by combining phospholipid(s), hydrophobic drugs and aq. phase with critical, supercritical or

near critical fluid and reducing pressure

INVENTOR: CASTOR, T P; CHU, L

PRIORITY-DATA: 1994US-0342443 (November 18, 1994)

PATENT-FAMILY:

 PUB-NO
 PUB-DATE
 LANGUAGE
 PAGES
 MAIN-IPC

 DE 69528077 E
 October 10, 2002
 000
 A61K009/127

 WO 9615774 A1
 May 30, 1996
 E
 073
 A61K009/127

AU 9642462 A	June 17, 1996		000	A61K009/127
EP 792143 A1	September 3, 1997	E	000	A61K009/127
JP 10509459 W	September 14, 1998		076	A61K009/127
EP 792143 B1	September 4, 2002	E	000	A61K009/127

INT-CL (IPC): A61K 9/127; A61K 31/335; A61K 31/435; A61K 31/70; A61K 33/24

Full	Title	Citation	Front	Review	Classification	Date	Reference	而如为为	与内侧,有种种数据	Claims	KWIC	Drawu De
									-			

33. Document ID: WO 8500515 A, AU 8432194 A, CA 1237671 A, DE 3483322 G, EP 153364 A, EP 153364 B, ES 8600055 A, ES 8603264 A, IL 72545 A, IT 1179029 B, JP 61037729 A, JP 94055676 B2, PT 79012 A, US 5000958 A, ZA 8405950 A

L2: Entry 33 of 33

File: DWPI

Feb 14, 1985

DERWENT-ACC-NO: 1985-050020

DERWENT-WEEK: 198508

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Antimicrobial agents co-encapsulated in lipid vesicles - with synergistic

antimicrobial effect

INVENTOR: FOUNTAIN, M W; GINSBERG, R S ; LENK, R P ; PIPESCU, M C ; WEISS, S J

PRIORITY-DATA: 1984US-0633481 (July 26, 1984), 1983US-0518912 (August 1, 1983),

1984US-0033481 (July 26, 1984)

ΡŽ	٩Т	ΈN	T-	FA	M	L	Y	:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 8500515 A	February 14, 1985	E	043	
AU 8432194 A	March 4, 1985		000	
CA 1237671 A	June 7, 1988		.000	
DE 3483322 G	October 31, 1990		000	
EP 153364 A	September 4, 1985	E	000	
EP 153364 B	September 26, 1990	•	000	•
ES 8600055 A	January 1, 1986		000	
ES 8603264 A	April 16, 1986		000	
IL 72545 A	November 30, 1987		000	
IT 1179029 B	September 16, 1987		000	
JP 61037729 A	February 22, 1986		000	
JP 94055676 B2	July 27, 1994		015	A61K031/71
PT 79012 A	March 22, 1985		000	
US 5000958 A	March 19, 1991		000	
ZA 8405950 A	January 31, 1985		000	

INT-CL (IPC): A61K 9/127; A61K 9/50; A61K 31/43; A61K 31/71; A61K 37/22; C07G 11/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	<b>军工工工工</b>	<b>第4</b> 节 27 <b>万</b> 19	Claims	KMC	Draw, Dr

Record List Display Page 3 of 3

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F	Terms			· · · · · · · · · · · · · · · · · · ·						Documents	
	(agent	or	drug)	adj5	separa	ate\$	adj5	lipos	ome	33	

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### Refine Search

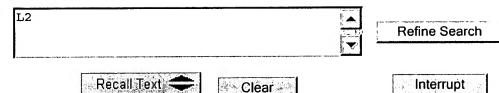
### Search Results -

Terms .	Documents
(agent or drug) adj5 separate\$ adj5 liposome	33

Database:

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US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:



### **Search History**

DATE: Friday, November 16, 2007 Purge Queries Printable Copy Create Case

Set Name<br/>side by sideQueryHit Count<br/>result setSet Name<br/>result setDB=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=ORL2(agent or drug) adj5 separate\$ adj5 liposome33L2L1combine\$ adj5 two adj5 liposome2L1

END OF SEARCH HISTORY

First Hit Fwd Refs

Previous Doc Next Doc Go to Doc#

Generate Collection Print

L3: Entry 3 of 10

File: USPT

Jul 4, 2000

DOCUMENT-IDENTIFIER: US 6083530 A

TITLE: High drug: lipid formulations of liposomal-antineoplastic agents

#### <u>Detailed Description Text</u> (9):

In addition to loading a single antineoplastic agent, the pH gradient loading method can be used to load multiple antineoplastic agents, either simultaneously or sequentially. Also, the liposomes into which the ionizable antineoplastic agents are loaded may themselves be pre-loaded with other antineoplastic agents or other drugs using conventional passive encapsulation techniques (e.g., by incorporating the drug in the buffer from which the liposomes are made). Since the conventionally loaded materials need not be ionizable, this approach provides great flexibility in preparing liposome-encapsulated "drug cocktails" for use in cancer therapies. These "drug cocktails" may also comprise two or lmore populations of liposomes (which entrap the same or different antineoplastic agents), comprise different lipid formulations, or comprise different vesicle sizes. Such cocktails may be administered in order to achieve greater therapeutic efficacy, safety, prolonged drug release or targeting.

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### **Hit List**

First Hit Generate Collection Print **Fwd Refs Bkwd Refs** Clear Generate OACS

Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 6403117 B1

L3: Entry 1 of 10

File: USPT

Jun 11, 2002

US-PAT-NO: 6403117

DOCUMENT-IDENTIFIER: US 6403117 B1

TITLE: Archaesomes, archaeosomes containing coenzyme Q10 and other types of liposomes containing coenzyme Q10 adjuvants and as delivery vehicles

DATE-ISSUED: June 11, 2002

INVENTOR - INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME CA Sprott; G. Dennis Orleans CA Patel; Girishchandra B. Nepean Gatineau CA Makabi-Panzu; Boby

US-CL-CURRENT: 424/450; 424/1.21, 424/184.1, 424/193.1, 424/204.1, 424/812, 424/9.321, 424/9.51, 424/94.3, 436/829

Full Title Citation Front Review Classification Da	ate Reference Reference Claims KWIC Draw
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2. Document ID: US 6132789 A

L3: Entry 2 of 10

File: USPT

Oct 17, 2000

US-PAT-NO: 6132789

DOCUMENT-IDENTIFIER: US 6132789 A

\*\* See image for Certificate of Correction \*\*

TITLE: Archaeosomes, archaeosomes containing coenzyme Q.sub.10, and other types of liposomes containing coenzyme Q.sub.10 as adjuvants and as delivery vehicles

DATE-ISSUED: October 17, 2000

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Orleans CA Sprott; G. Dennis CA Patel; Girishchandra B. Nepean CA Makabi-Panzu; Boby Gatineau CA Tolson; Douglas L. Victoria

Page 2 of 6

Record List Display

US-CL-CURRENT: 426/450; 424/184.1, 424/193.1, 424/812, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sealettes Afectores	Claims	KWIC	Draw, De

☐ 3. Document ID: US 6083530 A

L3: Entry 3 of 10

File: USPT

Jul 4, 2000

US-PAT-NO: 6083530

DOCUMENT-IDENTIFIER: US 6083530 A

TITLE: High drug: lipid formulations of liposomal-antineoplastic agents

DATE-ISSUED: July 4, 2000

INVENTOR - INFORMATION:

COUNTRY CITY STATE ZIP CODE NAME CA Mayer; Lawrence D. Vancouver Vancouver CA Bally; Marcel B. CA Cullis; Pieter R. Vancouver Ginsberg; Richard S. Jamesburg NJ

Washington ŊJ Mitilenes; George N.

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 428/402.2, 436/826, 436/829, 514/908

Full-	Title	Citation	Front	Review	Classification	Date	Reference Claims KMC Draw. I
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☐ 4. Document ID: US 5795589 A

File: USPT

Aug 18, 1998

US-PAT-NO: 5795589

L3: Entry 4 of 10

DOCUMENT-IDENTIFIER: US 5795589 A

\*\* See image for Certificate of Correction \*\*

TITLE: Liposomal antineoplastic agent compositions

DATE-ISSUED: August 18, 1998

INVENTOR - INFORMATION:

ZIP CODE COUNTRY CITY STATE NAME CA Vancouver Mayer; Lawrence D. CA Bally; Marcel B. Vancouver CA Cullis; Pieter R. Vancouver Ginsberg; Richard S. Jamesburg NJ Mitilenes; George N. Washington

US-CL-CURRENT:  $\underline{424}/\underline{450}$ ;  $\underline{264}/\underline{4.1}$ ,  $\underline{264}/\underline{4.3}$ ,  $\underline{428}/\underline{402.2}$ ,  $\underline{436}/\underline{826}$ ,  $\underline{436}/\underline{829}$ ,  $\underline{514}/\underline{908}$ 

Full Title Citation Front Review Classification Date Reference

#### ☐ 5. Document ID: US 5744158 A

L3: Entry 5 of 10

File: USPT

Apr 28, 1998

US-PAT-NO: 5744158

DOCUMENT-IDENTIFIER: US 5744158 A

\*\* See image for Certificate of Correction \*\*

TITLE: Methods of treatment using high drug-lipid formulations of liposomal-

antineoplastic agents

DATE-ISSUED: April 28, 1998

INVENTOR-INFORMATION:

ZIP CODE COUNTRY CITY STATE NAME CA Vancouver Mayer; Lawrence D. CA Vancouver Bally; Marcel B. CA Cullis; Pieter R. Vancouver Jamesburg NJ Ginsberg; Richard S. Mitilenes; George N. Washington NJ

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference 2000 100 100 100 100 100 100 100 100 10	<b>建构造的新建</b>	Claims	KWC	Draw, D
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	6.	Docume	nt ID:	US 57	17070 A						
L3: E	ntry	6 of 1	.0		•	F	ile: USPT		Feb	10,	1998

US-PAT-NO: 5717070

DOCUMENT-IDENTIFIER: US 5717070 A

\*\* See image for Certificate of Correction \*\*

TITLE: Filamentous fungus proteins for binding and transporting lipids, method for preparing them and their applications

DATE-ISSUED: February 10, 1998

INVENTOR-INFORMATION:

ZIP CODE CITY STATE COUNTRY NAME Record; Eric Marseilles FR Marseilles FR Lesage; Laurence Marion; Didier Nantes FR Cahagnier; Bernard Nantes FR FR Richard-Molard; Daniel Orvault La Ciotat FR Asther; Marcel

US-CL-CURRENT: 530/359; 424/450, 424/78.03, 435/242, 435/254.1, 435/254.3,

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 $\frac{435}{254.5}$ ,  $\frac{435}{254.8}$ ,  $\frac{435}{255.1}$ ,  $\frac{435}{261}$ ,  $\frac{435}{911}$ ,  $\frac{435}{913}$ ,  $\frac{435}{939}$ ,  $\frac{530}{324}$ ,  $\frac{530}{412}$ ,  $\frac{530}{417}$ ,  $\frac{530}{418}$ ,  $\frac{530}{427}$ ,  $\frac{530}{824}$ 

Full Title Citation Front Review Classification Date Reference

7. Document ID: US 5616341 A

L3: Entry 7 of 10

File: USPT

Apr 1, 1997

US-PAT-NO: 5616341

DOCUMENT-IDENTIFIER: US 5616341 A

TITLE: High drug: lipid formulations of liposomal antineoplastic agents

DATE-ISSUED: April 1, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Mayer; Lawrence D. Vancouver CA
Bally; Marcel B. Vancouver CA
Cullis; Pieter R. Vancouver CA

Ginsberg; Richard S. Jamesburg NJ Mitilenes; George N. Washington NJ

US-CL-CURRENT: 424/450; 264/4.3, 424/1.21, 436/164, 436/829, 514/908

Full Title Citation Front Review Classification Date Reference

□ 8. Document ID: US 5316771 A

L3: Entry 8 of 10 File: USPT May 31, 1994

US-PAT-NO: 5316771

DOCUMENT-IDENTIFIER: US 5316771 A

TITLE: Method of amphiphatic drug loading in liposomes by ammonium ion gradient

DATE-ISSUED: May 31, 1994

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Barenholz; Yechezkel Jerusalem IL
Haran; Gilad Jerusalem IL

US-CL-CURRENT: <u>424/450</u>; <u>264/4.1</u>, <u>264/4.3</u>, <u>264/4.6</u>, <u>424/710</u>, <u>428/402.2</u>, <u>436/829</u>

Full Title Citation Front Review Classification Date Reference

9. Document ID: US 5192549 A

L3: Entry 9 of 10 File: USPT Mar 9, 1993

US-PAT-NO: 5192549

DOCUMENT-IDENTIFIER: US 5192549 A

TITLE: Method of amphiphatic drug loading in liposomes by pH gradient

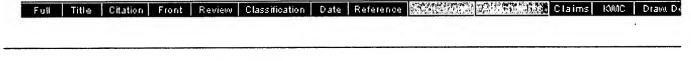
DATE-ISSUED: March 9, 1993

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Barenolz; Yechezkel Jerusalem IL
Haran; Gilad Jerusalem IL

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.6, 424/710, 428/402.2, 436/829



☐ 10. Document ID: US 4619794 A

L3: Entry 10 of 10 File: USPT Oct 28, 1986

US-PAT-NO: 4619794

DOCUMENT-IDENTIFIER: US 4619794 A

TITLE: Spontaneous preparation of small unilamellar liposomes

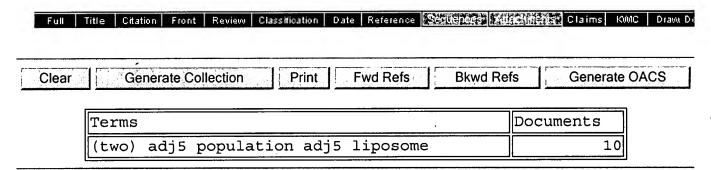
DATE-ISSUED: October 28, 1986

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hauser; Helmut Uerikon CH

US-CL-CURRENT: 264/4.1; 264/4.3, 424/450, 428/402.2, 436/829



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